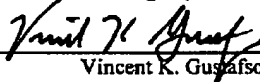


**RECEIVED  
CENTRAL FAX CENTER****JUN 06 2006****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

<b>In re United States Patent Application of:</b>	)	<b>Docket No.:</b>	<b>2771-546-CIP3</b>
<b>Applicants:</b>	)	<b>Conf. No.:</b>	<b>6577</b>
<b>Application No.:</b>	)	<b>Art Unit:</b>	<b>2856</b>
<b>Date Filed:</b>	)	<b>Examiner:</b>	<b>Jacques M. Saint Surin</b>
<b>Title:</b>	)	<b>Customer No.:</b>	<b>23448</b>
<b>APPARATUS AND PROCESS FOR SENSING TARGET GAS SPECIES IN SEMICONDUCTOR PROCESSING SYSTEMS</b>	)		

**FACSIMILE TRANSMISSION CERTIFICATE****ATTN: Examiner Jacques M. Saint Surin****Fax No. (571) 273-8300**

I hereby certify that this document, along with any enclosures identified herein, is being filed in the United States Patent and Trademark Office, via facsimile transmission to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date specified below, to United States Patent and Trademark Office facsimile transmission number (571) 273-8300.

**4****Number of Pages (including cover)**  
Vincent K. Gustafson**June 6, 2006****Date****PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT  
ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b) AND  
SUBMISSION OF ISSUE FEE IN U.S. PATENT APPLICATION NO. 10/758,825**

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

06/07/2006 TL0111 00000045 10758825

01 FC:1453

1500.00 OP

2771-546-CIP3

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the Notice of Allowance.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION.

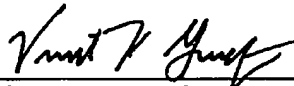
The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional.

Enclosed in support of this petition are:

- (1) Payment of the petition fee of \$1,500.00 (large entity) under 37 CFR 1.17(m) as authorized in the enclosed Credit Card Payment Form.
- (2) Completed Issue Fee Transmittal and payment of the issue fee and publication fee totaling \$1,700.00 (large entity) as also authorized in the enclosed Credit Card Payment Form).

Revival and issuance of the present application are hereby requested.

Respectfully submitted,



Vincent K. Gustafson  
Reg. No. 46,182  
Attorney for Applicants

INTELLECTUAL PROPERTY/  
TECHNOLOGY LAW  
Phone: (919) 419-9350  
Fax: (919) 419-9354  
Attorney File No.: 2771-546-CIP3

**Enclosures:**

Issue Fee Payment Transmittal [1 page]  
Credit Card Form PTO-2038 [1 page]

The USPTO is hereby authorized to charge any deficiency or credit any overpayment of fees properly payable for this document to Deposit Account No. 08-3284